

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A thermal fuse comprising:

a fusible alloy including tin;

a couple of lead conductors connected to both ends of said fusible alloy, respectively;
and

surface layers made of metal including tin as a main substance provided on said lead conductors, respectively, said surface layers having thicknesses not greater than 14 μ m.
2. (Currently Amended) The thermal fuse according to claim 1, wherein said surface layers are substantially entirely made of tin.
3. (Original) The thermal fuse according to claim 1, wherein said surface layers include silver.
4. (Original) The thermal fuse as defined in claim 3, wherein said surface layers include copper.
5. (Original) The thermal fuse according to claim 4, wherein said surface layers include bismuth.
6. (Original) The thermal fuse according to claim 1, wherein said surface layers include copper.

7. (Original) The thermal fuse according to claim 1, wherein said surface layers include bismuth.

8. (Original) The thermal fuse according to claim 1, wherein said surface layers have composition having no orientation.

9. (Original) The thermal fuse according to claim 1, wherein said thicknesses of said surface layers are not less than 1 μ m.

10. (Currently Amended) A method of manufacturing a thermal fuse, comprising the steps of:

preparing a fusible alloy including tin, and a couple of lead conductors having surface layers formed thereon, respectively, the surface ~~conductors~~layers being made of metal including tin as a main substance and having thicknesses not greater than 14 μ m; and

connecting the lead conductors to both ends of the fusible alloy, respectively.

11. (Currently Amended) The method according to claim 10, wherein the surface layers are substantially entirely made of tin.

12. (Original) The method according to claim 10, wherein the surface layers include silver.

13. (Original) The method according to according to claim 12, wherein the surface layers include copper.

14. (Original) The method according to claim 13, wherein the surface layers include bismuth.

15. (Original) The method according to claim 10, wherein the surface layers include copper.

16. (Original) The method according to claim 10, wherein the surface layers include bismuth.

17. (Original) The method according to claim 10, wherein the surface layers have composition having no orientation.

18. (Original) The method according to in claim 10, wherein the thicknesses of the surface layers are not less than 1 μ m.

19. (New) The thermal fuse according to claim 1, wherein the surface layers comprise 95 to 99 wt.% tin and 1 to 5 wt.% silver.

20. (New) The thermal fuse according to claim 1, wherein the surface layers comprise 97 to 99.5 wt.% tin and 0.5 to 3 wt.% copper.

21. (New) The thermal fuse according to claim 1, wherein the surface layers comprise 96 to 99.7 wt.% tin and 0.3 to 4 wt.% bismuth.

22. (New) The thermal fuse according to claim 1, wherein the surface layers comprise 9.5 to 97 wt.% tin, 2 to 5 wt.% silver and 0.3 to 1.5 wt.% copper.

23. (New) The thermal fuse according to claim 1, wherein the surface layers comprise 95 to 97 wt.% tin, 2 to 4 wt.% silver, 0.3 to 1.5 wt.% copper and 0.3 to 1 wt.% bismuth.

24. (New) The method according to claim 10, wherein the surface layers comprise at least 95 to 99 wt.% tin and 1 to 5 wt.% silver.

25. (New) The method according to claim 10, wherein the surface layers comprise at least 97 to 99.5 wt.% tin and 0.5 to 3 wt.% copper.

26. (New) The method according to claim 10, wherein the surface layers comprise at least 96 to 99.7 wt.% tin and 0.3 to 4 wt.% bismuth.

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27. (New) The method according to claim 10, wherein the surface layers comprise at least 9.5 to 97 wt.% tin, 2 to 5 wt.% silver and 0.3 to 1.5 wt.% copper.

28. (New) The method according to claim 10, wherein the surface layers comprise at least 95 to 97 wt.% tin, 2 to 4 wt.% silver, 0.3 to 1.5 wt.% copper and 0.3 to 1 wt.% bismuth.

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Amendments to the Drawings:

The attached sheet of drawings includes changes to Figure 5. This sheet replaces the original sheet.